

Title (en)

METHOD FOR ESTIMATING AND ADJUSTING THE SPEED AND ACCELERATION OF A VEHICLE

Title (de)

VERFAHREN ZUR SCHÄTZUNG UND ANPASSUNG DER GESCHWINDIGKEIT UND BESCHLEUNIGUNG EINES FAHRZEUGS

Title (fr)

PROCEDE D'ESTIMATION ET ADAPTATION DE LA VITESSE ET DE L'ACCELERATION D'UN VEHICULE

Publication

**EP 3959523 A1 20220302 (FR)**

Application

**EP 19721229 A 20190423**

Priority

EP 2019060287 W 20190423

Abstract (en)

[origin: WO2020216430A1] The invention relates to a method for estimating the speed of a motor vehicle, in which: A. a first speed threshold SV1 is defined, corresponding to a minimum speed value provided by an angular wheel speed sensor of the vehicle B. a second speed threshold SV2 is defined, greater than SV1; C. low-speed values are estimated when the vehicle travels below SV1 using an adaptive filter estimation method; D. high-speed values are measured when the vehicle travels above SV2 using speed values of the vehicle provided by the angular wheel speed sensor; E. in the intermediate region between SV1 and SV2, a mixing is performed of the high speed with the low speed.

IPC 8 full level

**B60T 8/172** (2006.01); **B60W 40/105** (2012.01); **B60W 40/107** (2012.01); **G01P 3/489** (2006.01)

CPC (source: EP KR US)

**B60T 8/172** (2013.01 - EP KR); **B60W 40/105** (2013.01 - EP KR US); **B60W 50/00** (2013.01 - US); **G01P 3/489** (2013.01 - EP KR); **B60T 2250/04** (2013.01 - EP KR); **B60W 2050/0054** (2013.01 - US); **B60W 2420/503** (2013.01 - US); **B60W 2520/105** (2013.01 - US); **B60W 2520/28** (2013.01 - US)

Citation (search report)

See references of WO 2020216430A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020216430 A1 20201029**; **WO 2020216430 A9 20210107**; CN 114026435 A 20220208; EP 3959523 A1 20220302; JP 2022535667 A 20220810; JP 7210772 B2 20230123; KR 20220020801 A 20220221; US 2022194392 A1 20220623

DOCDB simple family (application)

**EP 2019060287 W 20190423**; CN 201980095723 A 20190423; EP 19721229 A 20190423; JP 2021562830 A 20190423; KR 20217038101 A 20190423; US 201917605448 A 20190423